

ABSTRACT OF THE DISCLOSURE

The invention relates to a device for protection against overcurrents in an electrical energy distribution cabinet which receives electrical energy supplied by at least one generator and which 5 distributes this energy to at least two loads, which comprises:

- switching means (20),
- means (23; C) for calculating the absolute value of the difference between at least one current entering 10 the said cabinet and at least one corresponding current leaving the said cabinet, for at least one harmonic of these currents,
- comparison means (24) which control the opening of the switching means (20) if this absolute value is 15 greater than a predetermined threshold (S).

Figure 2